Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/02/2017 10:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124195	-1	1.44	124104	1.40
Blue	F	SSC	125000	123574	-2	2.52	124020	2.34
Blue	E	FITC	21625	21250	-2	2.36	944	9.77
Blue	D	PE	26832	26264	-3	1.89	944	9.36
Blue	B	PerCP-Cy5-5	48027	47187	-2	3.13	1349	16.15
Blue	A	PE-Cy7	40971	40321	-2	4.78	622	34.07
Red	C	APC	49746	49014	-2	2.79	2830	9.37
Red	A	APC-Cy7	53615	52807	-2	2.97	1091	11.21
Violet	B	V450	14488	13936	-4	5.70	668	9.28
Violet	A	V500	55123	53547	-3	5.54	2367	7.38

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19742	4.41	600	2	N/A	N/A	Pass
Blue	F	SSC	61644	1.52	531	-3	N/A	N/A	Pass
Blue	E	FITC	108	37.97	532	-4	0.0234	241	Pass
Blue	D	PE	207	27.39	526	-5	0.1729	219	Pass
Blue	B	PerCP-Cy5-5	213	43.28	622	-7	0.0112	118	Pass
Blue	A	PE-Cy7	71	109.82	672	-9	0.0129	12	Pass
Red	C	APC	332	27.61	589	-5	0.0209	92	Pass
Red	A	APC-Cy7	120	40.95	574	-6	0.0057	1851	Pass
Violet	B	V450	81	41.27	467	-4	0.0644	2638	Pass
Violet	A	V500	173	22.92	492	-4	0.0168	745	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.68	-31.43	0.84
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.32
Red	17.11	13.27 - 19.91	N/A	N/A	31.87	32.01	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 12893

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments